Title: METHODS AND APPARATUS FOR IMPROVING THE QUALITY OF DISPLAYED IMAGES THROUGH THE USE OF DISPLAY DEVICE AND DISPLAY CONDITION INFORMATION

Inventors: Bodin Dresevic, William Hill, Gregory C. Hitchcock, Leroy B. Keely, John C. Platt, and J. Turner Whitted
Docket No.: 14984.12.1.1 / Serial No.: 10/691,121 / Filing Date: 10/22/2003
REPLACEMENT SHEET



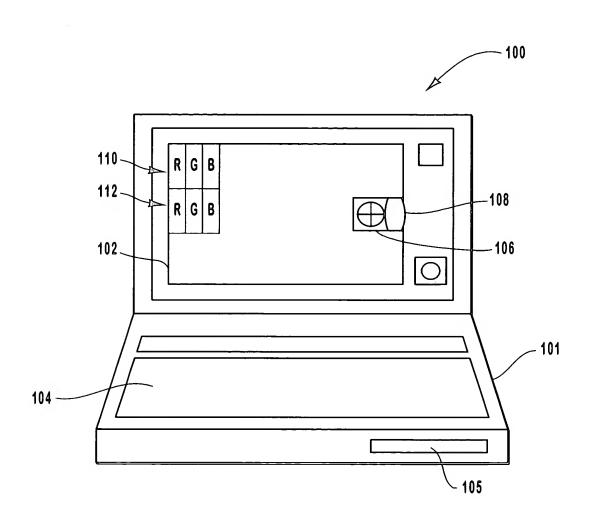
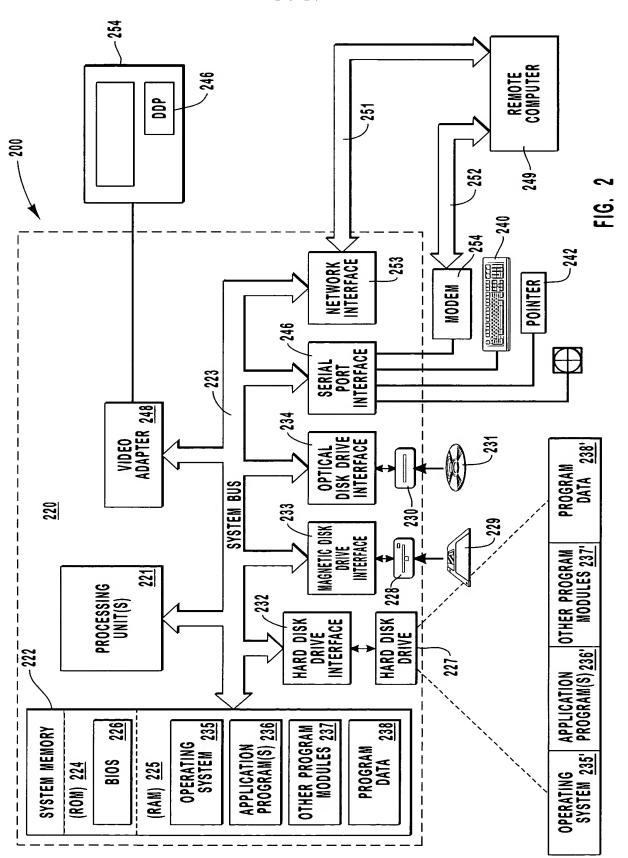


FIG. 1

2 / 24



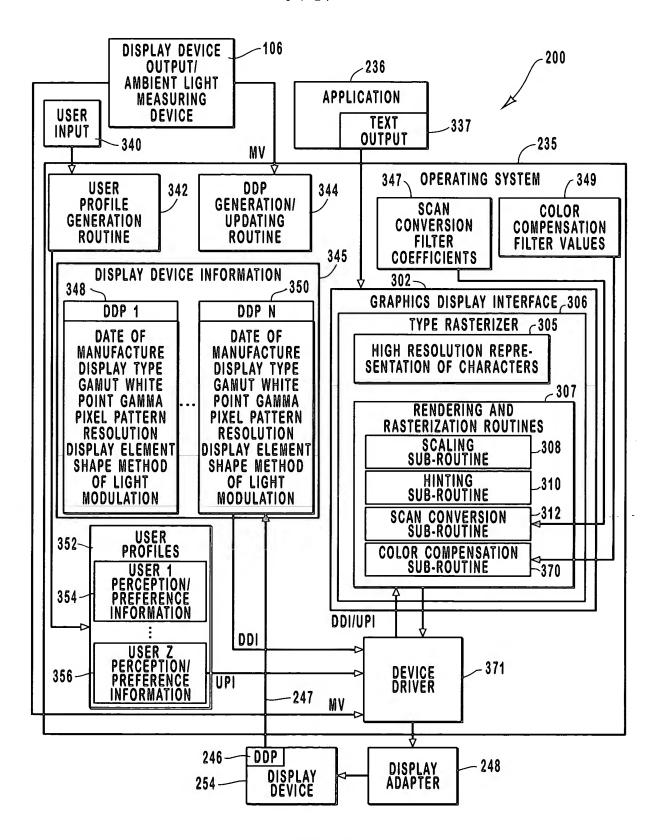
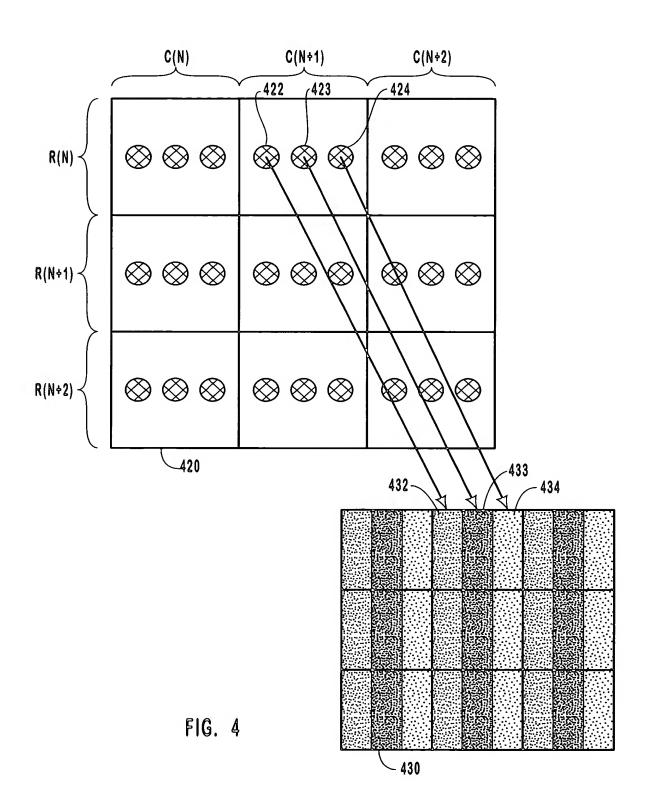


FIG. 3



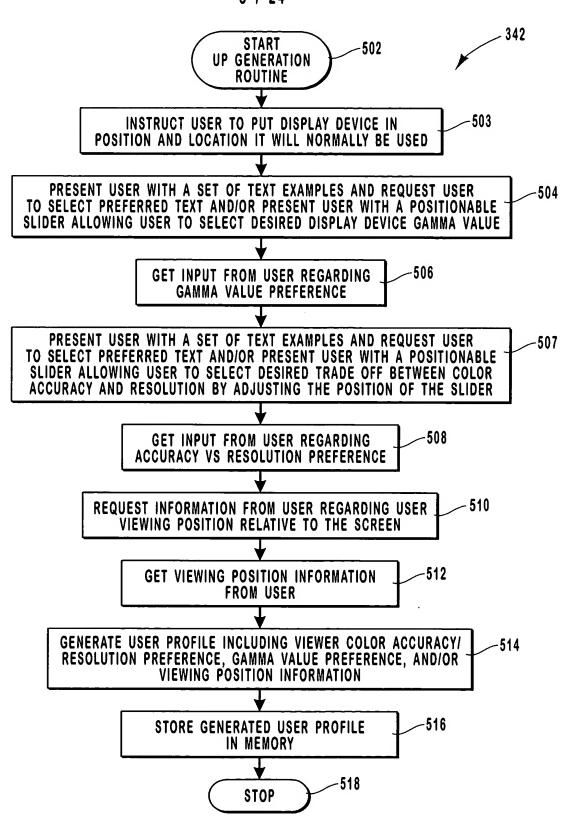


FIG. 5

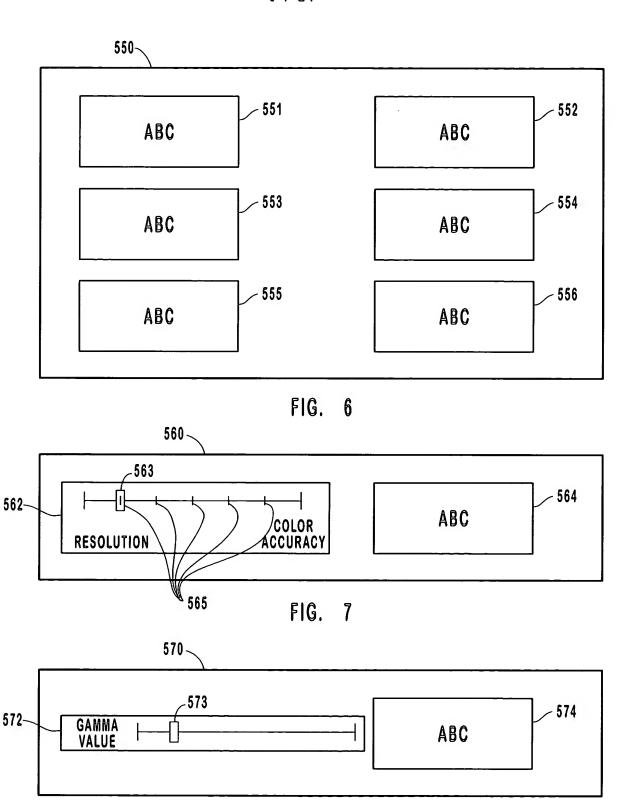
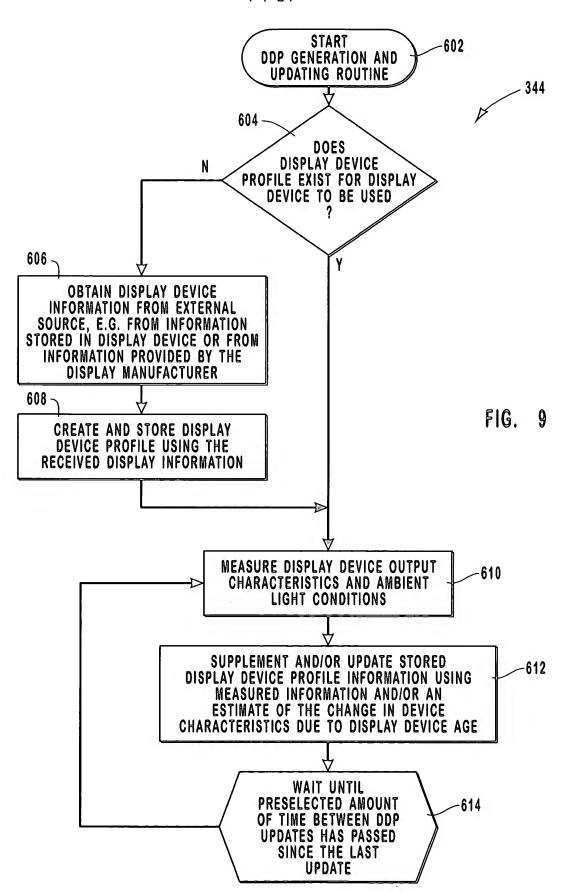


FIG. 8

7 1 24



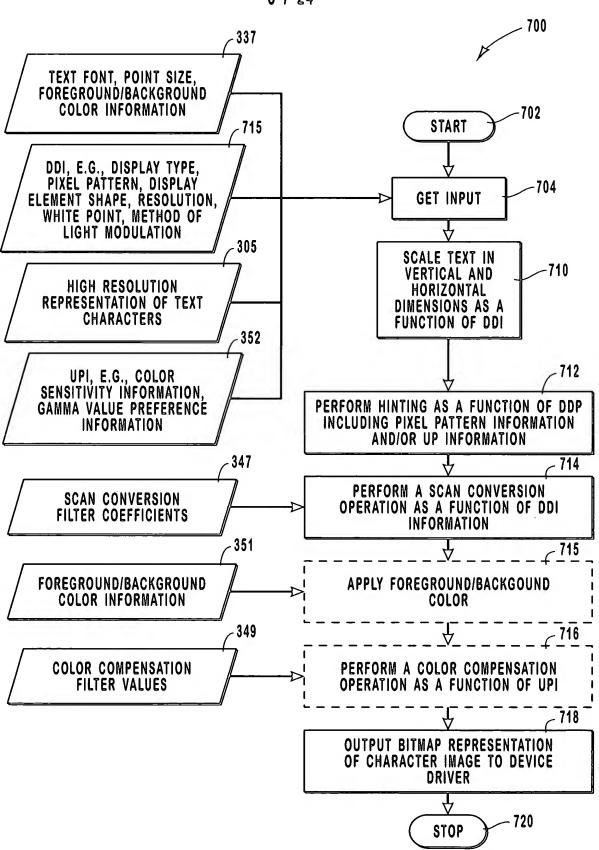
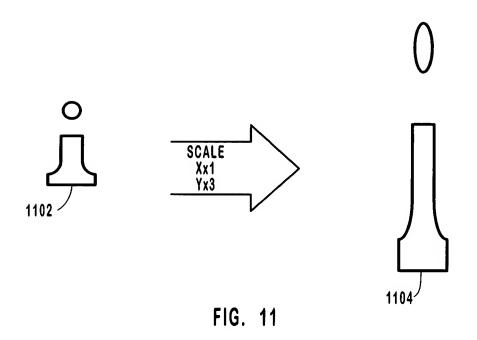


FIG. 10



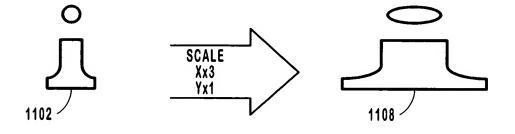
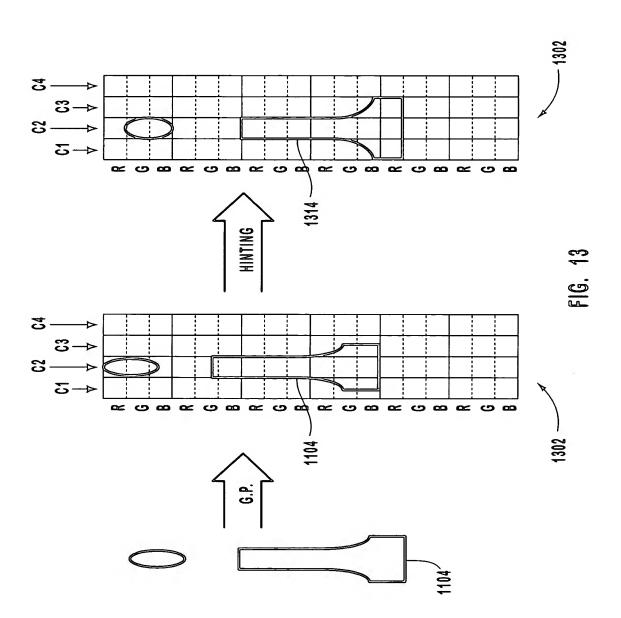


FIG. 12



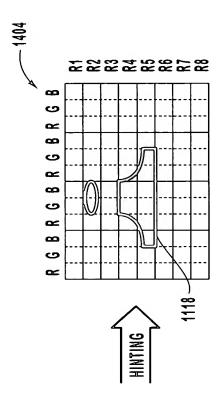
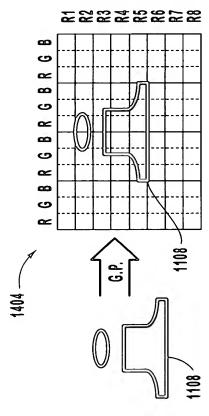
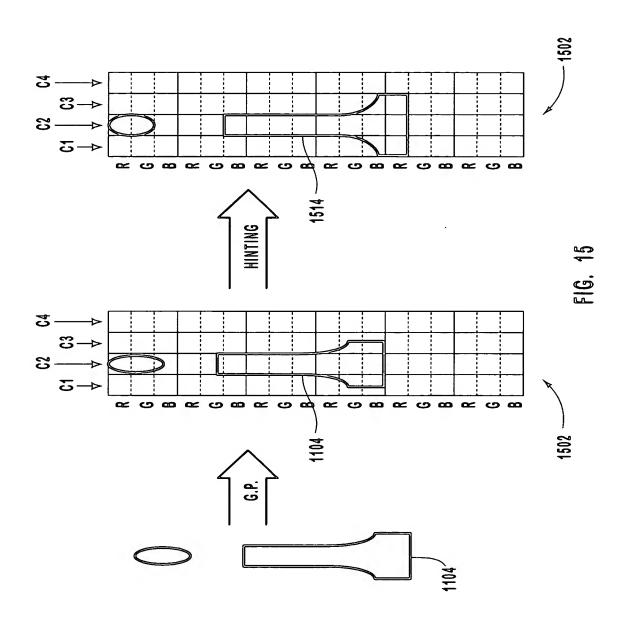


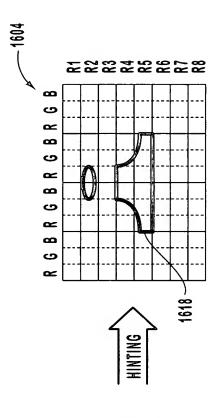
FIG. 14



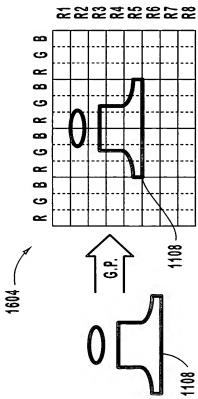


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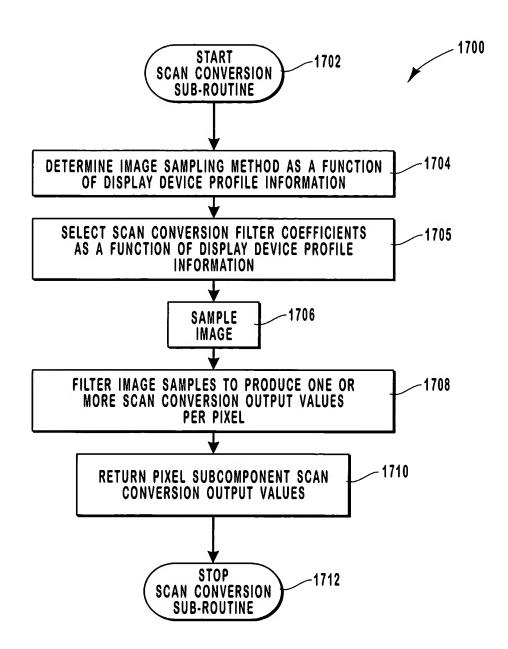


FIG. 17

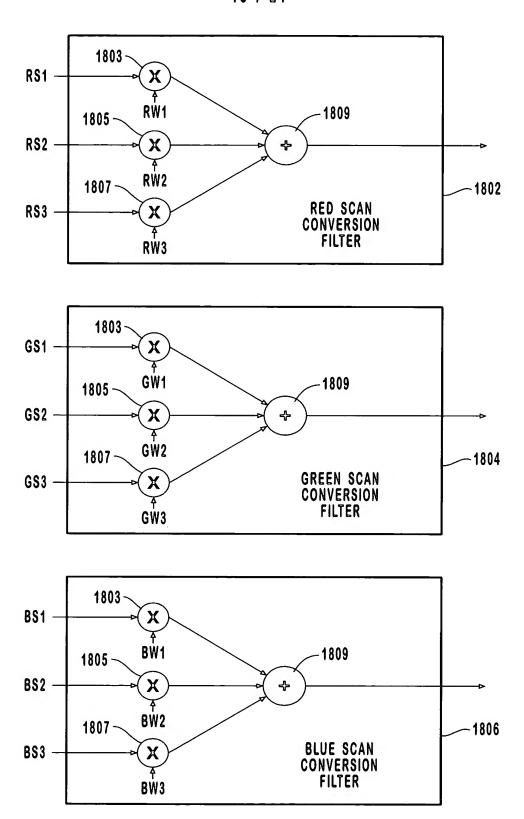


FIG. 18

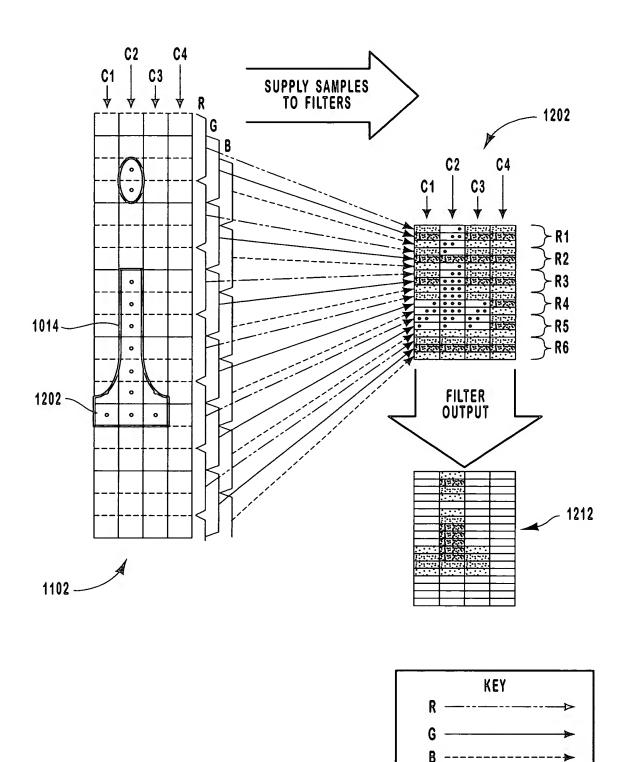


FIG. 19

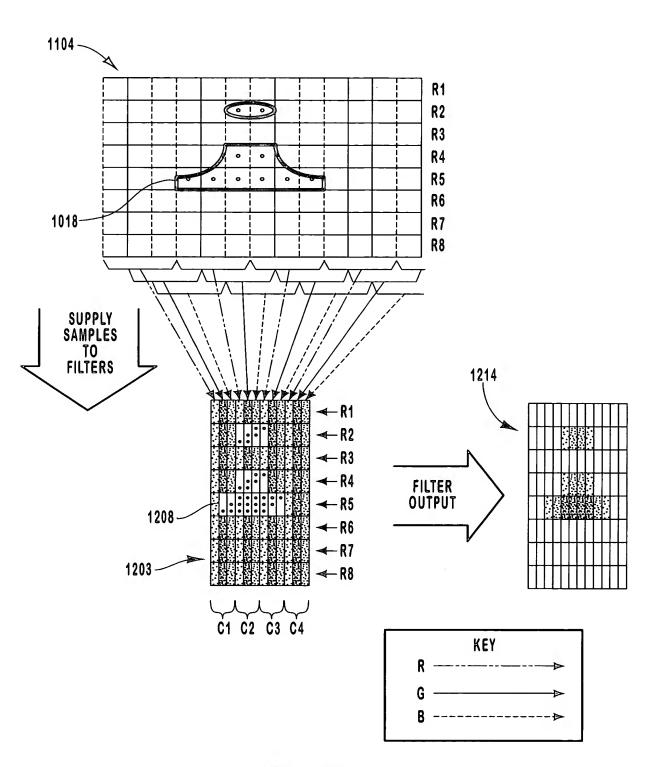
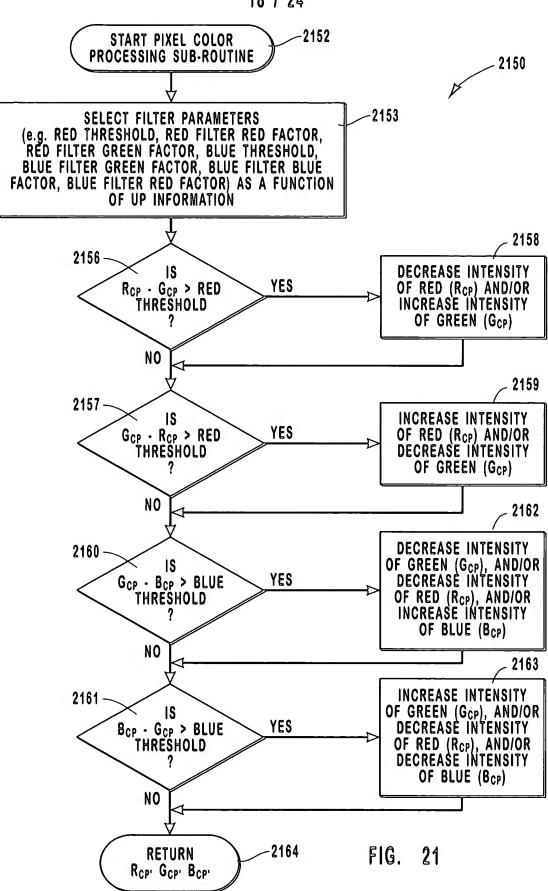


FIG. 20



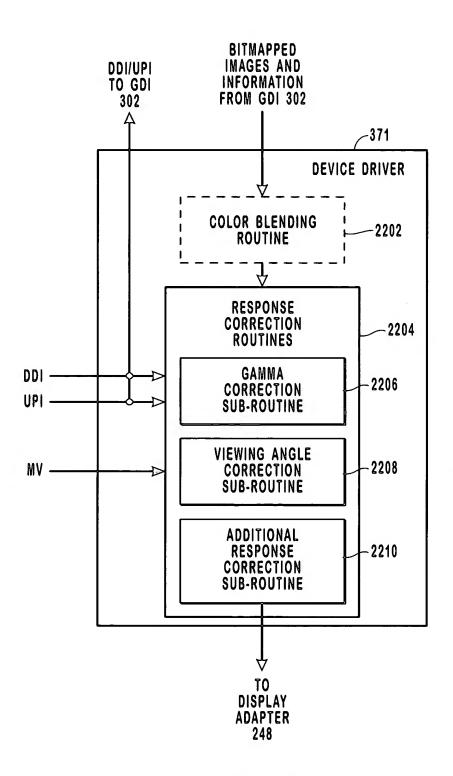


FIG. 22

	FILTER 1		
RED FILTER	GREEN	BLUE	
	FILTER	FILTER	
-0.000	0.000	0.000	
-0.000	-0.000	0.000	
0.001	-0.000	-0.000	
-0.004	0.000	0.000	
-0.001	0.000	0.000	
0.011	-0.002	-0.001	
-0.037	0.006	0.005	
-0.015	0.001	0.002	
0.109	-0.020	-0.014	
-0.255	0.065	0.031	
-0.231	0.028	0.029	_2301
0.632	-0.186	-0.075	
0.576	0.383	-0.097	CURRENT
0.485	0.430	0.357	PIXEL
-0.378	0.458	0.630	
0.051	·0.111	0.351	
0.085	-0.108	-0.103	
-0.039	0.075	-0.177	
0.003	-0.009	0.040	
0.009	-0.017	0.041	
0.003	0.007	-0.027	
0.000	-0.001	0.003	
0.001	-0.002	0.006	
-0.000	0.001	-0.003	
0.000	-0.000	0.000	
0.000	-0.000	0.001	E10 22A
-0.000	0.000	-0.000	FIG. 23A
-0.000	-0.000	0.000	210 400
0.000	-0.000	0.000	FIG. 23B
0.000	0.000	-0.000	
			FIG. 23C
	FIG. 23A		FIG. 23D
			FIG. 23E

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REPLACEMENT SHEET

		FILTER 2	
	BLUE	GREEN	RED
	FILTER	FILTER	FILTER
	-0.000	0.000	0.000
	0.000	0.000	0.000
	0.000	0.000	-0.000
	-0.000	-0.000	0.000
	-0.000	-0.000	0.000
	0.000	0.000	-0.000
	0.000	-0.001	-0.006
	-0.001	-0.001	0.004
	-0.003	-0.000	0.034
	0.018	0.019	-0.183
2302	0.010	-0.004	-0.147
	-0.055	-0.093	0.468
CURRENT	0.047	0.387	0.514
PIXEL	0.308	0.430	0.445
11/165	0.514	0.408	-0.170
	0.251	-0.072	0.009
	-0.009	-0.089	0.031
	-0.119	0.020	0.001
	0.017	0.000	-0.001
	0.025	-0.003	-0.000
	-0.004	-0.001	0.000
	-0.000	0.000	-0.000
	0.001	0.000	-0.000
	0.000	-0.000	0.000
	-0.000	0.000	0.000
	-0.000	0.000	-0.000
	0.000	0.000	-0.000
	-0.000	-0.000	0.000
1.0	-0.000	-0.000	0.000
	-0.000	0.000	-0.000

		FILTER 3	
	BLUE	GREEN	RED
	FILTER	FILTER	FILTER
	-0.000	-0.000	0.000
	-0.000	-0.000	0.000
	-0.000	0.000	0.000
	0.000	0.000	-0.000
	0.000	-0.000	-0.000
	-0.000	-0.000	-0.001
	-0.000	0.000	0.006
	-0.000	0.001	0.009
	0.001	0.002	0.002
	-0.001	-0.015	-0.121
~2303	-0.007	-0.026	-0.088
	-0.022	-0.022	0.332
CURRENT	0.140	0.393	0.459
PIXEL	0.290	0.430	0.418
11766	0.412	0.367	-0.002
	0.190	-0.048	-0.010
	0.040	-0.075	-0.005
	-0.059	-0.013	0.002
	0.005	0.003	-0.000
	0.011	0.003	-0.000
	0.003	0.000	-0.000
	-0.001	-0.000	0.000
	-0.001	-0.000	0.000
	-0.000	0.000	0.000
	0.000	0.000	-0.000
	0.000	0.000	-0.000
	-0.000	-0.000	-0.000
	-0.000	0.000	0.000
	-0.000	0.000	0.000
	0.000	0.000	-0.000

		FILTER 4		
	RED	GREEN	BLUE	
	FILTER	FILTER	FILTER	
	0.000	0.000	0.000	
	0.000	0.000	0.000	
	-0.000	-0.000	-0.000	
	-0.001	-0.000	-0.000	
	-0.001	0.000	-0.000	
	0.000	0.000	0.000	
	0.008	0.003	0.002	
	0.008	0.004	0.002	
	-0.007	-0.002	-0.001	
	-0.077	-0.037	-0.017	
	-0.051	-0.039	-0.019	_2304
	0.237	0.026	0.008	
	0.419	0.398	0.197	CURRENT
	0.401	0.429	0.285	PIXEL
Ц	0.113	0.338	0.337	
	-0.016	-0.035	0.153	
	-0.025	-0.066	0.065	
	-0.011	-0.031	-0.012	
	0.001	0.004	-0.000	
	0.002	0.006	0.001	
	0.001	0.003	0.001	
	-0.000	-0.000	-0.000	
	-0.000	-0.001	-0.000	
	-0.000	-0.000	-0.000	
	0.000	0.000	0.000	
	0.000	0.000	0.000	
	0.000	0.000	0.000	
	-0.000	-0.000	-0.000	
	-0.000	-0.000	-0.000	
	-0.000	-0.000	-0.000	

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	FILTER 5		
RED	GREEN	BLUE	
FILTER	FILTER	FILTER	
0.000	0.000	0.000	
0.000	0.000	0.000	
-0.000	-0.000	-0.000	
-0.000	-0.001	-0.000	
-0.000	-0.001	-0.000	
0.001	0.001	0.000	
0.006	0.006	0.004	
0.006	0.006	0.003	
-0.008	-0.007	-0.004	
-0.050	-0.050	-0.029	
-0.030	-0.047	-0.027	~2305
0.178	0.054	0.029	()
0.394	0.402	0.229	CURRENT
0.391	0.429	0.283	PIXEL
0.183	0.321	0.291	, ,,,,,,
-0.018	-0.028	0.132	
-0.037	-0.061	0.078	
-0.023	-0.040	0.019	
0.002	0.004	-0.002	
0.005	0.008	-0.004	
0.003	0.005	-0.003	
-0.000	-0.000	0.000	
-0.001	-0.001	0.001	
-0.000	-0.001	0.000	
0.000	0.000	-0.000	
0.000	0.000	-0.000	
0.000	0.000	-0.000	
-0.000	-0.000	0.000	
-0.000	-0.000	0.000	
-0.000	-0.000	0.000	